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|---|----------------------|-------------------------|------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 10/646,458 | |
| | Filing Date | August 22, 2003 | |
| | First Named Inventor | Kenneth COLLINS, et al. | |
| | Art Unit | 1763 | |
| | Examiner Name | Unknown | |
| Total Number of Pages in This Submission | 6 | Attorney Docket Number | 006915 P01 |

| ENCLOSURES (Check all that apply) | | |
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| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
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| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
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| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|-----------------------------------|
| Firm or Individual name | Robert M. Wallace Reg. No. 29,119 |
| Signature | <i>Robert M. Wallace</i> |
| Date | 10-13-2004 |

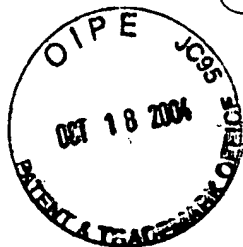
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| Typed or printed name | Shelly Hart | |
| Signature | <i>Shelly Hart</i> | Date 10/13/2004 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1Fw
PATENT

Attorney Docket No.: 006915 P01
RW Ref. No.: APM/001-02-CP1-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kenneth COLLINS, et al.

Serial No.: 10/646,458

Examiner: Unknown

Filed: August 22, 2003

Group Art Unit: 1763

For: PLASMA IMMERSION ION IMPLANTATION APPARATUS INCLUDING
PLASMA SOURCE HAVING LOW DISSOCIATION AND LOW
MINIMUM PLASMA VOLTAGE

PRELIMINARY AMENDMENT TRANSMITTAL

Box Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

S I R :

Transmitted herewith is a Preliminary Amendment in the above-identified
application. The fee has been calculated as shown below.

| | Claims remain- ing after amendment | Highest number previously paid for | Present extra | Rate | Additional Fee |
|---|--|--|------------------|--------|-----------------|
| Total Claims | 81 minus | 81 = | 0 X | \$18 = | \$000.00 |
| Independent | 1 minus | 3 = | 0 X | \$88 = | \$000.00 |
| If Multiple Dependent Claims Are Present, Add \$300.00 | | | | | |
| (If applicant is a "small entity," subtract half of total) | | | | | \$000.00 |
| Total additional fee for this amendment | | | | | \$000.00 |

☒ No additional fee is required.

☐ A check in the amount of \$ is attached.

☐ The Commissioner is hereby authorized to charge any additional fees or deficiencies or credit overpayment to Deposit Account No. 50-0338.

Dated: 10/13/2004

Robert M. Wallace
Patent Attorney
2112 Eastman Avenue, Suite 102
Ventura, CA 93003
(805) 644-4035

Respectfully submitted,



Robert M. Wallace
Reg. No. 29,119
Customer No. 000044843
Attorney for Applicants

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Date Name



PATENT

Attorney Docket No. 006915 P01
RW Ref. No.: APM/001-02-CP1-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
Kenneth COLLINS, et al. :
: Group Art Unit: 1763
Entitled: PLASMA IMMERSION ION :
IMPLANTATION APPARATUS INCLUDING :
PLASMA SOURCE HAVING LOW :
DISSOCIATION AND LOW MINIMUM PLASMA :
VOLTAGE :
: Examiner: Unknown
Serial No.: 10/646,458 :
Filing Date: August 22, 2003 :

PRELIMINARY AMENDMENT

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Prior to taking action in this case, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 3 of this paper.